

Appl. No. 10/552,022

Reply to the notice of non-compliant amendment mailed on
03/19/2007 by the USPTO

CLAIMS

1) (CANCELED) Device which can be carried during use, acting as an interface between the user and a system or systems for generation, management, transmission and reception of electronic and computerised signals or languages which enable the triggering, control and stopping of electronic, electrical, audible, visual and mechanical events, a device characterised by the fact that it comprises a handling bar (1) on which juxtaposed finger controls (3) form a surface which extends from one edge to the other of the width of the said handling bar (1).

2) (CANCELED) Device acting as an interface between the user and a system or systems for generation, management, transmission and reception of electronic and computerised signals or languages which enable the triggering, control and stopping of electronic, electrical, audible, visual and mechanical events, a device characterised by the fact that it comprises a flexible handling bar (1) on which finger controls (3) are juxtaposed and by the fact that it comprises a sensor (5) slaved to the bending of the said handling bar (1).

3) (CANCELED) Device according to one of the previous claims characterised by the fact that it comprises an additional finger control (CS), the operation of which by the user replaces the triggering of the finger controls (3) juxtaposed on the length of the handling bar (1). These finger controls (3) are then used to designate the events to be triggered.

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4) (CANCELED) Device according to any one of the previous claims characterised by the fact that it comprises at one end of the handling bar (1) a part (8) accommodating and housing the additional finger controls, together with the electrical and electronic systems and the connectors necessary for its functioning and its electrical power supply.

5) (CANCELED) Device according to any one of the previous claims characterised by the fact that it comprises at one end of the handling bar (1) a part (8) accommodating and housing the additional controls (CS).

6) (CANCELED) Device according to claim 2 characterised by the fact that the flexible handling bar (1) comprises a spring (4).

7. (NEW) A controlling instrument which can be carried during use, acting as an interface between the user and a system or systems for generation, management, transmission and reception of electronic and computerised signals or languages which enable the triggering, control and stopping of electronic, electrical, audible, visual and mechanical events, the controlling instrument comprises a flexible handling bar (1) on which juxtaposed finger control zones (3) and control strips (CS) tautened on a support (9)

wherein the improvement comprises
a spring (4) arranged in a way that its turns (TU) are appreciably perpendicular with regard to the flexible handling bar (1) and

a strain gauge variable resistor (10) is connected by an extremity to a point of a control strip (CS) and by the other extremity to a point of the support (9).

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8. (NEW) The controlling instrument of claim 7 in which a strain gauge variable resistor (5) is arranged between two turns (TU) of the spring (4) and attached to these two turns (TU) in such a way that the resistance value of the strain gauge variable resistors (5) is modified when two respective parts of these two turns (TU) move apart from each other.

9. (NEW) The controlling instrument of claim 7 comprises a stress gauge variable resistors (5p) arranged between two turns (TU) of the spring (4) the resistance value of this stress gauge variable resistors (5p) is modified when a part of one spring (4) turn (TU) presses against it.

10. (NEW) The controlling instrument of claim 7 in which the flexible handling bar (1) comprises a flexible tube (2) and the spring (4) is arranged inside this tube (2).

11. (NEW) The controlling instrument of claim 10 in which grooves (G) are made on the circumference of the tube (2) between the finger control zones (3).